

Sequences 030626.ST25
SEQUENCE LISTING

<110> Impact Diagnostics
Impact Diagnostics

<120> Peptides from the E2, E6 and E7 Proteins of Human
Papillomaviruses 16 and 18 for Detecting and/or Diagnosing Cervical
and Other Human Papillomavirus Associated Cancers

<130> 3352-2-2

<150> US 60/394,172

<151> 2002-07-02

<150> US 09/828,645

<151> 2001-04-05

<160> 8

<170> PatentIn version 3.1

<210> 1

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Derived from the E2 region of HPV 18

<400> 1

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Lys | Gln | Leu | Gln | His | Thr | Pro | Ser | Pro | Tyr | Ser | Ser | Thr | Val | Ser | Val |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | |

| | | | | | |
|-----|-----|-----|-----|-----|-----|
| Gly | Thr | Ala | Lys | Thr | Tyr |
| | | | 20 | | |

<210> 2

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Derived from the E2 early coding region of HPV 16

<400> 2

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Lys | His | Gly | Tyr | Thr | Val | Gln | Phe | Asp | Gly | Ile | Cys | Asn | Thr | Met | His |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | |

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Tyr

<210> 3
 <211> 23
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Derived from the E2 early coding region of HPV 16

<400> 3

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| His | Ala | Gly | Gly | Gln | Val | Ile | Leu | Cys | Pro | Thr | Ser | Val | Phe | Ser | Ser |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | |

| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| Asn | Glu | Val | Ser | Ser | Pro | Glu |
| | | | 20 | | | |

<210> 4
 <211> 22
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Derived from the E6 early coding region of HPV 16

<400> 4

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Arg | Asp | Gly | Asn | Pro | Tyr | Ala | Val | Cys | Asp | Lys | Cys | Leu | Lys | Phe | Tyr |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | |

| | | | | | |
|-----|-----|-----|-----|-----|-----|
| Ser | Lys | Ile | Ser | Glu | Tyr |
| | | | 20 | | |

<210> 5
 <211> 22
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Derived from the E6 early coding region of HPV 18

<400> 5

Sequences 030626.ST25

Lys Cys Ile Asp Phe Gly Ser Arg Ile Arg Glu Leu Arg His Tyr Ser
1 5 10 15

Asp Ser Val Tyr Gly Asp
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<210> 6
<211> 21
<212> PRT
<213> Artificial Sequence

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<223> Derived from the E7 early coding region of HPV 16

<400> 6

Glu Gln Leu Asn Asp Ser Ser Glu Glu Glu Asp Glu Ile Asp Gly Pro
1 5 10 15

Ala Gly Gln Ala Glu
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<210> 7
<211> 21
<212> PRT
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<223> Derived from the E7 early coding region of HPV 16

<400> 7

Glu Thr Thr Asp Leu Tyr Cys Tyr Glu Gln Leu Asn Asp Ser Ser Ser
1 5 10 15

Glu Asp Glu Ile Asp
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<210> 8
<211> 22
<212> PRT
<213> Artificial Sequence

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Sequences 030626.ST25

<223> Derived from the E7 early coding region of HPV 18

<400> 8

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| His | Leu | Gln | Pro | Gln | Asn | Glu | Ile | Pro | Val | Asp | Leu | Leu | Cys | His | Glu |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | |

| | | | | | |
|-----|-----|-----|-----|-----|-----|
| Gln | Leu | Ser | Asp | Ser | Glu |
| | | | 20 | | |